

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/18/2022 08:54 AM
Cytometer Baseline: 06/07/2022 10:19 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 10398 **Expiration Date:** 01/31/2023
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124395	-1	1.77	124272	1.74
Blue	F	SSC	125000	125164	0	3.45	125835	3.42
Blue	E	FITC	15860	15273	-4	2.48	372	13.79
Blue	D	PE	27718	27370	-2	1.96	636	10.76
Blue	B	PerCP-Cy5-5	38046	37112	-3	3.14	1016	15.16
Blue	A	PE-Cy7	26092	25574	-2	4.97	501	30.76
Red	C	APC	49104	48754	-1	2.66	1717	11.35
Red	A	APC-Cy7	28201	27675	-2	3.03	729	12.38
Violet	B	V450	9904	9482	-5	3.87	529	12.55
Violet	A	V500	39004	37316	-5	3.35	976	9.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23852	2.23	568	-1	N/A	N/A	Pass
Blue	F	SSC	55940	1.97	522	-6	N/A	N/A	Pass
Blue	E	FITC	57	55.60	491	0	0.0469	113	Pass
Blue	D	PE	124	37.93	497	1	0.3375	224	Pass
Blue	B	PerCP-Cy5-5	140	44.33	589	0	0.0188	44	Pass
Blue	A	PE-Cy7	63	94.35	631	-1	0.0215	2	Pass
Red	C	APC	332	26.07	578	-3	0.0280	134	Pass
Red	A	APC-Cy7	97	42.62	550	-5	0.0061	1091	Pass
Violet	B	V450	85	52.43	463	5	0.0437	1860	Pass
Violet	A	V500	124	38.62	474	5	0.0225	2105	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.93	-31.47	1.04
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.48	13.90 - 20.86	N/A	N/A	29.88	30.23	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9726

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments